Form PTO-1449 (REV. 1/06)		US Dept. of Cor PATENT & TRADEMARK (mmerce DFFICE	ATTY I 128996	DOCKET NO.		APPLICAT 10/588,603		
	INFORMA'	TION DISCLOSURE STATEMENT							
	(Us	se several sheets if necessary)			APPLICANT(S) Takeshi HIRABAYASHI et al.				
				FILING August	DATE 7, 2006		GROUP 1793		
		U	S. PATEN	T DOCUN	MENTS				
Examiner Initials	Cite No.	Document Number	Da	ite		Name			
	1	7,384,888	06/10/	/2008	Kuno				
	2	6,358,880 B1	03/19/	2002	Hedouin et al.				
	3	2004/0082468 A1	04/29/	/2004	Suzawa et al.				
	4	2003/0007926 A1	01/09/	/2003	Jiang et al.				
	5	2002/0098975 A1	07/25/	/2002	Kimura et al.				
	6	6,911,414 B2	06/28/	2005	Kimura et al.				
	7	2004/0186016 A1	09/23/	2004	Bog et al.				
	8	6,773,814 B2	08/10/	/2004	Schumacher et al.				
	9	2005/0059547 A1	03/17/	/2005	Kuno				
	10	2004/0087440 A1	05/06/	2004	Kuno				
	11	6,528,451 B2	03/04/	2003	Brezny et al.				
***************************************	12	7,314,846 B2	01/01/	2008	Kuno				
	13	2007/0179052 A1 08/		08/02/2007 Hirabayashi et al.					
	14 5,607,892		03/04/	1997	Chopin et al.				
						-			
				A INS.					
		FORE	EIGN PATE	ENT DOC	UMENTS				
Examiner Initials	Cite No.	Document Number	Da	te	Country		With English Abstract	With English Translation	
		f	OTHER D						
Examiner Initials	Cite No.	Including name of the author (in CAPI journal, serial, symposium, catalog, etc.	TAL LETT	ERS), titl ge(s), vol	e of the article (when appropriate ume-issue number(s), publisher, c), title of t ity and/or	he item (book, country where	magazine, published.	
EXAMINER			1. M.H.			DATE C	ONSIDERED		
Examiner:		citation considered, whether or not citationsidered. Include copy of this form with				nrough cit	ation if not in	conformance	

Form PTO-1449 US Dept. of Com (REV. 1/06) PATENT & TRADEMARK OF INFORMATION DISCLOSURE STATEMENT			ATTY DOCKET NO. 128996			APPLICATION NO. 10/588,603		
(Use several sheets if necessary)				APPLICANT(S) Takeshi HIRABAYASHI et al.				
			FILING DATE August 7, 2006			GROUP 1793		
		U.	S. PATEN	T DOCUM	IENTS			
Examiner Initials	Cite No.	Document Number	Da	Date		Name		
		FORE	EIGN PAT	ENT DOC	UMENTS			
Examiner Initials	Cite No.	Document Number	Date		Country		With English Abstract	With English Translation
	15	JP-A-2002-346386	12/03/2002		Japan		x	х
	16	EP 1 516 855 A1	03/23/2005		Europe			
	17	JP-A-03-277060	12/09/1991		Japan		x	х
	18	WO 03/037506 A1	05/08/2003		WIPO			
	19	JP-A-2003-117393	04/22	/2003	Japan		x	x
	20	JP-A-2002-331238	11/19	/2002	Japan		x	х
	21	JP-A-2005-254047	09/22	/2005	Japan		x	х
	22	JP-A-2005-313024	11/10	/2005	Japan		x	х
	23	JP-A-2005-314134	11/10	/2005	Japan		x	х
	24	JP-A-2005-313028	11/10	/2005	Japan		х	х
	25	JP-A-9-255331	09/30	/1997	Japan		х	х
	26	DE 94 03 581 UI	06/09	/1994	Germany			
·			OTHER D	OCUMEN	NTS			
Examiner Initials							ne item (book, country where	magazine, e published.
Ī								
						,		
EXAMINER		DATE CONSIDERED						
Examiner:	Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

						Sheet	3	of <u>5</u>	
Form PTO-1449 (REV. 1/06)		US Dept. of Commerce PATENT & TRADEMARK OFFICE ATION DISCLOSURE STATEMENT		ATTY E 128996	OOCKET NO.		APPLICA' 10/588,60		
(Use several sheets if necessary)			•	ı	APPLICANT(S) Takeshi HIRABAYASHI et al.				
				FILING DATE August 7, 2006			GROUP 1793		
		U.	S. PATEN'	T DOCUM	IENTS				
Examiner Initials	Cite No.	Document Number	Date Name						
····		FORE	EIGN PATI	ENT DOC	UMENTS	- <u>- 1</u>		I	
Examiner Initials	Cite No.	Document Number	Date		Country		With English Abstract	With English Translation	
	27	EP 1 284 277 A1	02/19/2003		Europe		x		
	28	WO 2005/102933 A2	11/03/2005		WIPO				
	29	EP 1 371 415 A1	12/17/2003		Europe				
	30	EP 1 579 912 A2	09/28/2005		Europe				
	31	WO 2007/113674 A2	10/11/2007		WIPO				
	32	JP-A-06-279027	10/04	/1994	JAPAN		x	х	
	33	JP-A-2004-074138	03/11	/2004	JAPAN		x	x	
	34	EP 1 415 956 A2	05/06	/2004	EUROPE				
	35	JP-A-2003-277060	10/02	/2003	Japan		х	х	
	36	KR 10-0295168 B1	09/17	/2001	Korea				
			OTHER D	OCUME	NTS				
Examiner Initials	Cite No.	Including name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	37	U.S. Application No. 10/593,629 (Attorney Docket No. 129518) filed on 09/21/2006 in the name of Masahide MIURA.							
	38	U.S. Application No. 10/589,669 (Attorney Docket No. 129110) filed on 08/16/2006 in the name of Masahide MIURA.							
	39	U.S. Application No. 12/451,089 (Attorney Docket No. 143330) filed on 10/26/2009 in the name of Masahide MIURA.							
						^			
EVANCES	40	U.S. Application No. 10/589,421 (Atto	orney Dock	et No. 129	1097) filed on 08/15/2006 in the i		sahide MIUI 	J17177	
EXAMINER						DATECO	NOIDEKED		
Examiner:	Initial if c	citation considered, whether or not citationsidered. Include copy of this form with	on is in co	nformance municatio	e with M.P.E.P. 609; draw line the to applicant.	hrough citat	ion if not in	conformance	

Form PTO-1449 (REV. 1/06)		US Dept. of C PATENT & TRADEMARK	ommerce OFFICE	ATTY DOCKET NO. 128996		APPLICAT 10/588,603			
INFORMATION DISCLOSURE STATEMENT									
(Use several sheets if necessary)				APPLICANT(S) Takeshi HIRABAYASHI et al.					
					FILING DATE August 7, 2006 GROUP 1793				
		ט	I.S. PATEN	IT DOCU	MENTS				
Examiner Initials	Cite No.	Document Number	Da	Date Name					
		FOR	EIGN PAT	ENT DO	CUMENTS				
Examiner Initials	Cite No.	Document Number	Da	ite	Country		With English Abstract	With English Translation	
	OTHER DOCUMENTS								
Examiner Initials	Cite No.	Including name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	41	Notice of Allowance issued in U.S. Ap	plication N	Io. 10/589	,421 (Attorney Docket No. 129097) on 09/	18/2009.		
	42	Office Action (Requirement for Restric	Office Action (Requirement for Restriction/Election) issued in U.S. Application No. 10/589,669 (Attorney Docket No. 129110)						
		on 08/12/2008.	on 08/12/2008.						
	43	Office Action (Non-Final Rejection) is	sued in U.S	S. Applica	tion No. 10/589,669 (Attorney Doc	ket No.	129110) on 11	/05/2008.	
	44	Office Action (Final Rejection) issued	in U.S. Ap	plication l	No. 10/589,669 (Attorney Docket N	No. 1291	10) on 04/28/2	2009.	
	45	Office Action (Non-Final Rejection) is:	sued in U.S	S. Applica	tion No. 10/589,669 (Attorney Doc	ket No.	129110) on 11	/18/2009.	
	46	Office Action (Non-Final Rejection) issued in U.S. Application No. 10/589,421 (Attorney Docket No. 129097) on 09/17/2008.						/17/2008.	
	47	Office Action (Non-Final Rejection) issued in U.S. Application No. 10/589,421 (Attorney Docket No. 129097) on 04/14/2009						/14/2009.	
EXAMINER						DATE	CONSIDERE	D	
Examiner:		f citation considered, whether or not citat t considered. Include copy of this form w				rough c	itation if not in	conformance	

Sheet	5	of	5
-------	---	----	---

Form PTO-1449 (REV. 1/06)		US Dept. of Co PATENT & TRADEMARK	ommerce OFFICE	ATTY I 128996	DOCKET NO.		APPLICAT 10/588,603		
INFORMATION DISCLOSURE STATEMENT									
(Use several sheets if necessary)				APPLICANT(S) Takeshi HIRABAYASHI et al.					
				FILING August			GROUP 1793		
		UU	.S. PATEN	T DOCU	MENTS				
Examiner Initials	Cite No.	Document Number	Dat	te	Name				
		FORI	EIGN PAT	ENT DO	CUMENTS				
Examiner Initials	Cite No.	Document Number	Date		Country		With English Abstract	With English Translation	
OTHER DOCUMENTS									
Examiner Initials	Cite No.	Including name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	48	August 19, 2005 Search Report issued in PCT/JP2005/008458.							
	49	December 26, 2008 Office Action issued in Chinese patent application no. 200580013424.0							
		*							
	50	July 7, 2009 Office Action issued in Canadian patent application no. 2,562,556							
	51	August 10, 2005 Search Report issued in PCT/JP2005/008466.							
	52	August 11, 2005 Search Report issued in PCT/JP2005/008465.							
EXAMINER						DATE	CONSIDERE	D	
Examiner:	iner: Initial if citation considered, whether or not citation is in con- and not considered. Include copy of this form with next com-					rough ci	tation if not in	conformance	